

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
|       |      | ((secondary adj (electron or (charged adj particle))) same (detect\$4)) and (grid or mesh or diaphragm) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/05/31 12:00 |
| L2    | 6    | ("4442355"   "4596929"   "5043583"   "5485008").PN. OR ("6781124").URPN.                                | US-PGPUB; USPAT; USOCR                      | OR               | ON      | 2006/05/31 13:43 |
| L3    | 2940 | 250/310   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/05/31 14:21 |
| L4    | 657  | 250/310 and (grid or mesh)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/05/31 14:21 |
| S1    | 4    | ("4785182" "4880976").PN.   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/05/31 11:38 |
| S2    | 6120 | (secondary same electron same detector)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/05/31 11:38 |
| S3    | 13   | jacka.in.   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/05/31 11:40 |
| S4    | 14   | zadrazil.in.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/05/31 11:39 |
| S5    | 15   | lopour.in.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/05/31 11:39 |

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|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S6  | 36   | S3 S4 S5  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/31 11:38 |
| S7  | 3    | S6 and secondary and electron                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/31 11:39 |
| S8  | 2    | tescan.as.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/31 11:39 |
| S9  | 3090 | (secondary and (electron adj detector))                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/31 11:40 |
| S10 | 2222 | (secondary adj (electron adj detector))                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/31 11:42 |
| S11 | 158  | S10 and (grid or mesh) and vacuum and gas                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/31 11:40 |
| S12 | 223  | (secondary adj (electron adj detector)).ti.                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/31 11:44 |
| S13 | 292  | (secondary adj (electron adj detect\$4)).ti.                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/31 11:46 |
| S14 | 354  | (electron adj detect\$4) and (grid or mesh) and gas\$4 and vacuum | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/31 11:54 |
| S15 | 2    | (electron adj detect\$4) and microlens\$3 and diaphragm           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/31 11:55 |

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|     |       |  |   |    |    |                  |
|-----|-------|--|---|----|----|------------------|
| S16 | 238   | (electron adj detect\$4) and lens\$3 and diaphragm   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/31 11:58 |
| S17 | 11306 | ((electron or (charged adj particle)) same (detect\$4)) and (grid or mesh or diaphragm)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/31 12:12 |
| S18 | 1704  | ((secondary adj (electron or (charged adj particle))) same (detect\$4)) and (grid or mesh or diaphragm)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/31 12:00 |
| S19 | 733   | ((secondary adj (electron or (charged adj particle))) same (detect\$4)) same (grid or mesh or diaphragm)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/31 12:00 |
| S20 | 3737  | ((electron or (charged adj particle)) same (detect\$4)) and (grid or mesh or diaphragm) and vacuum and gas\$5  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/31 12:17 |
| S21 | 203   | ((electron or (charged adj particle)) same (detect\$4)) and (grid or mesh or diaphragm) and vacuum and gas\$5 and scintillator                       | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/31 12:25 |
| S22 | 27    | ((electron or (charged adj particle)) same (detect\$4)) and (grid or mesh or diaphragm) and vacuum and gas\$5 and scintillator and PIN near5 diode   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/31 12:18 |
| S23 | 27    | ((electron or (charged adj particle)) same (detect\$4)) and (grid or mesh or diaphragm) and vacuum and gas\$5 and scintillator and (PIN near5 diode) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/31 12:18 |
| S24 | 8     | "Everhard-Thornley"  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/31 12:26 |
| S25 | 9     | "Everhard Thornley"  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/31 12:35 |

## EAST Search History

|     |    |  |   |    |    |                  |
|-----|----|--|---|----|----|------------------|
| S26 | 9  | slowko.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/31 12:47 |
| S27 | 14 | (leo adj electron).as.                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/31 12:47 |
| S28 | 4  | ("4442355"   "4596929"  <br>"5043583"   "5485008").PN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/05/31 12:50 |